

GRADUATION EDITION

TOIKE OIKE



TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY,
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY.

Vol. XXX

Saturday, April 1 1939

No. 8

THE LAST LAP

March, 1939.

We are all now preparing for the last lap in the yearly University Race. "Only a fortnight to examinations!" ought not to be at all a disconcerting call to participants in next month's race.

To one who has been in these University races, this call means a tuning up and a making ready; it has a sound, a feeling, a significance all its own. To one who has not been in such a race, there is an experience in store which will beget confidence in oneself. It will prove to be exciting and exhilarating just like the world famous four-and-a-half mile Grand National in England last Friday with its thirty-two jumps.

Everyone can successfully run the race and negotiate the fences, hedges and water-jumps, and easily come in a winner if he has sufficiently disciplined himself in his training and has done what his coaches have laid out for him. The betting will be at long odds in favour of winning with high letters in May.

Getting tired? No? Yes? Tired of cold dark mornings, icy, wet streets, of nine o'clock lectures, of getting in the last drawings and the last reports? Yes! But not getting tired of the many accumulated things learned during the past months which now, as the year comes to a close, seem to fall readily into their assigned places in applied science subjects. One realizes this as the year rounds out and these things fall in with a click, making clear all the new things one has learned to apply in his studies.

With approaching examinations, let us keep our heads; keep cool; keep steady. Let us keep plodding along at our own pace, because by unduly or excitedly speeding up, one sometimes loses his wind or prematurely tires. It is better sometimes to lose place and distance by going slowly and steadily, rather than to hurry, take fright and start spurting, getting really tired out and then make a poor finish—perhaps not get to the tape at all.

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ALUMNI!

"As April draws nigh, you will soon be in the midst of your examinations, and, having successfully passed these, you will have joined the ranks of the graduates.

You have chosen a worthy profession and will want to carry on the best traditions of that profession. As time goes on you will take great pleasure and pride on being able to look upon the structures or works upon which you will be employed and which you will have had a part in creating.

As you are aware, the body representing the graduates is the Engineering Alumni Association of our University. As President of that Association at the present time, I wish you success in your examinations and welcome you as a graduate. I would also bespeak for you an interest in our Association and the work we are trying to do."

A. ROSS ROBERTSON,

President.

Engineering Alumni Association,
University of Toronto.

Gently he pushed her quivering shoulders back against the chair. She raised beseeching eyes in which faint hope and fear were struggling. From her parted lips, the breath came in short, wrenching gasps. Reassuringly he smiled at her.

Bzzzz, went the dentist's drill.

"It was funny last night when your zipper gown started slipping."

"Yes, I had to hold my sides."

Engineers are often baffled by the fact that some of the girls with streamlined figures offer the most resistance.

"James, is my wife dressed?"

"No, sir!"

"You're fired!"

Kappa: "What's the matter? Don't you love me any more?"

Phi Psi: "Sure I do. I am only resting."

PRESIDENT'S MESSAGE

The School year of 1938-1939 is rapidly slipping into the dim limbo of the past and with its passing a brand new crop of first class memories have come into being. The year's activities, considering the fact that everyone has at the same time been carrying the usual Schoolman's burden of lectures and labs, have been carried out with a spirit and thoroughness that would warm the cockles of the heart of any President. There are not many things more satisfying than working on something which is received with enthusiasm and which brings ideas and real assistance out of everyone involved.

The Engineering Society is an education in itself for any person connected with it. The opportunity is there to mix with Schoolmen, to learn how to organize things, to present verbally your point of view so someone will be convinced as to your correctness, and also to broaden your circle of acquaintances both in the University and in the business world. There is a definite prestige attached to the Engineering Society; and persons connected with it more or less bask in a reflected glory of their own creation. In this day and age where every asset counts, I can't too strongly recommend that everyone at least try to take advantage of this opportunity which is right in your own back yard.

School seems pretty much the same to the graduating year as it did four short years ago. As a class, 3T9 has made no very radical impression on the course of the stream of events during that period. There have, however, been several improvements individually speaking, and advances have been made during each of those years, as far as the Engineering Society has been concerned. There is still definitely room for improvement, as there is with everything. If an education wasn't being absorbed at the same time, there are many things which could be done, but the time factor has been found to be quite an influential one, and one which you Schoolmen should remember when you feel

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The Toike Oike

Devoted to the interests of the Under-graduates of the Faculty of Applied Science.

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MESSAGE TO 3T9

It seems we are fast approaching the final activities of our stay at School. Some of us started four years ago, others have joined us in the following years, yet now as we graduate we are all members of the Class of 3T9. Let us finish up the session with the most outstanding Graduation Ball ever seen at School. After the examinations, we will spread to all corners of the country—some of us not to see each other for many a year—others to be working side by side. Let this be the time for all of us to join in a spirit of fellowship and conviviality, unique in this University.

The Permanent Executive has been elected to keep the members of the Year in touch with each other. Each Department has a Councillor on this Committee—assist him by sending your suggestions, your criticisms, and any information of interest to the members of this year, that may come your way from time to time. These will be co-ordinated and used for the good of all. Your Secretary, is maintaining a card index file of all addresses, occupations, and pertinent information concerning each 3T9 man. You can help him by dropping him a line whenever you or your friends change address; take unto yourself a beauteous mate or in due time reap the results of connubial bliss.

There will be an Engineering Alumni Re-Union this coming Fall in Toronto—3T9, as the most recently graduated year, should be there in greater numbers than any other. Let us look forward to it as our first Re-Union; one of many such affairs to follow. We have all been invited to join the Alumni Association—as soon as you have a spare iron-man, there is no better way of getting rid of it.

It is important that every man of 3T9 be present at the Kipling Ritual on Monday evening. This ceremony is entitled "The Calling of an Engineer". It is here that we receive the iron rings signifying our membership in the profession of Engineering—let us make an effort to have everyone on hand—no one will regret being present.

Exams loom mighty close at hand; lab tests are upon us; there are long-overdue lab reports to be finished and many a lecture has still to be copied out. The time has come to wish us all good luck in these forthcoming trials and in our future endeavours. See you at the Grad Ball!

Local Young Man: "Do you believe in free love?"

Girl Friend: "Yes, but let's go to the movies first."

SCHOOL RE-UNION

As mentioned above this is the year of the Tri-Annual School Re-Union which will be held on November 9, 10 and 11 at the Royal York. The complete programme will be found if you turn to your copies of the Monthly. Page 180 of the March issue under Engineering and School Re-Union.

It starts off with a huge Smoker on Thursday night and finishes off with the McGill-Varsity Rugby game and a stag dinner or should we say a stagger dinner at night. All the way through there is never a dull moment and anyone who attends always comes back to the next one and brings someone along with him.

Thus you are fortunate to be graduating at such a time that you can start off your Alumni Life by seeing right at the start that your Alumni Association is extremely active and one to which you will be proud to belong. More so this year as for the first time The Alumni Medal will be presented by the Alumni, your Engineering Alumni, to some outstanding engineer at one of the functions of the Re-Union.

Let's hope that we will be able to see you all there.

MINING AND METALLURGICAL CLUB

Since the last report on the Club, we have had considerable activity.

Early in February, a dinner was held at the Military Institute. Our Honorary Chairman, Mr. J. Y. Murdoch, was the speaker. It is quite safe to say that his address was the most outstanding one we have had the pleasure of hearing for some years.

The Club ventured into new fields when it staged the program for the Annual Smoker of the Toronto branch of the C.I.M.M.E. on March the first. Thanks to the efforts of Bill Usatis, Sandy MacPherson, and the cast, it turned out to be a huge success.

A week later, the Metallurgical section of the Club, under the able guidance of L. F. Train, held a luncheon meeting at Hart House. Mr. C. W. Drury, of the Deloro Mining and Smelting Company, told the members of some of his interesting Metallurgical experiences.

In closing, I would like to thank the Executive Committee and members of the Staff who helped the Club to its degree of success during the past year, and to wish the new chairman and his Executive the best of luck for next year.

W. C. ATKINSON.

Chairman.

"3T9"

"Of what advantage to you is membership in the Engineering Alumni Association and the Alumni Federation?"

Some would consider this a difficult question to answer, as the things that one can point to and say "This and that are of personal advantage to you" are few. However, we can assure you that that is not the whole story.

First let us consider the personal and direct advantages. Most alumni are within reach of an organized group of University of Toronto alumni and active membership in one of these ensures a continuance of that part of your University career which is of the utmost importance, the comradeship and contact with a group of cultured people in any community and the mutual benefits derived from such contacts.

The Alumni Association and your Alumni magazine are the means whereby every Graduate is enabled to "Keep in touch". As you no doubt know by now School Graduates hold a Re-Union every three years to which Grads come from all over Canada and many foreign countries as well. That is the outstanding event for all School Alumni but there are several other graduate functions that are annual affairs, the largest of these is Alumni Night held at Hart House. The most recent having just been held last Friday with an attendance from the Alumni of over 2000, which speaks volumes for its popularity. The best method of keeping in touch is through the monthly and you would be passing up an important personal advantage if you fail to make use of it. The importance of keeping in touch becomes more apparent to the Graduate as the years pass and many a man has realized too late the fallacy of not doing so. Pause for a moment and think of those contacts with your classmates which you have been building up for the past four years and then realize that they can so easily slip away if you let them.

Membership entitles every Graduate to special privileges with regard to prices and allocation of football tickets. Other such services are yours for the asking.

And now for the other side of the story. As an Alumnus of the University of Toronto you will not be subjected to appeals for donations to University funds as nearly all other alumni in the States and Canada are and have been. Here we are very fortunate in that our main support is by public funds, a support that was obtained through the efforts of alumni of your University. Furthermore recent research has proved that while a high school education on the average doubles the

total earning capacity of any man over that of an untrained man, the total earning capacity of a University graduate is double that of the high school graduate. That education is obtained by graduates of School at considerably less than one half the total cost. This fact places a responsibility on the shoulders of every beneficiary, a responsibility to retain a keen interest in the welfare of his ALMA MATER and to see that he is informed of her progress and her problems, a responsibility to support to organization whose councils and committees deal with the multitude of details that must be considered and settled. These duties which they perform are not only beneficial to our profession as a whole but in some measure repay our debt by assisting those who are about to enter it. They do this work which takes up a great deal of their time not only because of the enjoyment they get out of it but also because of that sense of loyalty felt by all good Schoolmen for School and all that it means. All they ask in return is your support.

EX-HAMS

Since this is our last issue and the freshmen are about to present themselves for their first set of School exams perhaps a few tips would be in order.

(a) Don't stay in the night before an exam, you may go stale, go out and get drunk, it relieves the tension and leaves you fresh for the morning: only try to get to bed before five.

(b) If the timetable says 9.00 a.m., arrive about 9.30 a.m. and enter the examination room singing some lusty drinking song. Go right up to the chief examiner and ask him for a pen, or if you have a pen (which is unnecessary) be sure to ask for some ink. Be exacting and require a particular kind of ink.

(c) Before examining the paper note who the examiner is and make a few terse remarks as to what you think of his physiognomy, his lecturing ability, and his general attitude: be frank.

(d) Read the first question and where it requires the forces on, or the rate of change of, etc., answer the question as follows: the examiner obviously does not understand the finer points of the subject, so permit me to quote the first eight verses of Columbo by way of diversion. This will ensure you a first so there is little use in going further: be accurate.

(e) Just ignore the second question and illustrate the finer details of an offe and an offe owfing an off or some equally humorous subject: be original

SPORTOIKE

Well, gang, here we are for the last time. 'Tis with joy on our lips and a tear in our hearts that we say good-bye.

This has been a great year in sport for S.P.S., thanks to everybody lending a hand and giving their best for the "old School". Once again "School" has copped off the Reed Trophy, emblem of interfaculty championship.

In winning team championships, S.P.S. was well to the fore, the Engineers grabbing off Rowing, Harrier, Swimming, Boxing, Wrestling, and Fencing. Then the following deserve special mention due to winning group titles—Jr. Rugby; Jr. Hockey; Sr. Hockey and Baseball IV; also "School" was well up in Golf; Badminton and Skiing Tournaments.

This year the Bronze "S", symbol of the graduating year's outstanding athlete, goes to that great little all around performer—Bob Galway. Bob is a worthy holder of the trophy, and with it go our very best wishes.

Another feature that has been carried out this year, is an organized means of advertising. This has been carried out nobly and to perfection by Bill Laari, who has tried to keep the game times before the sportsmen's eyes.

In closing, I would like to say that I have enjoyed being your president, and hope that Gord McHenry and his new executive will find the same co-operation next year and derive the same amount of pleasure. So good luck, Gord.

As we say in old Spain.
Hasta Manana

JOHN F. FORD.

(f) As regards signing the exam, just sign some excruciatingly funny name, such as Beer Barrel or Nomo King: Be humorous.

(g) If you use any diagrams be sure to employ a constant system of lettering. For instance any triangle is AAA, while any line (preferably not straight) is AA, whereas any point is A or for simplicity A. Be homogeneous.

(h) Be neighbourly, visit across the room, or just converse across the room. This promotes good feeling, and if it palls, try rolling the bones in a corner.

(i) In conclusion be careful about your writing and don't be caught short like the fellow that failed because he wrote three legible words on his paper: be illegible.

Thus, gentlemen, you may enter the examinations without fear, knowing the outcome.

THE LAST LAP

(Continued from Page 1)

To you of the Fourth Year, now coming down the stretch on the last lap, it must be cheering, but perhaps a little sad withal. You will shortly be leaving these halls, these lecture rooms and laboratories, and, saddest of all, will be separating from your comrades and going on your own different ways, out into the world. Out there, there will be other races you will have to run, will want to run and will be happy in running. You will just have one lap after another on different courses in different parts of the country and you will run for prizes which may now be far beyond your imagination.

One secret of winning the races you are going into, lies in the way a man does his job, lap after lap, day after day. It will not help him much if he is inclined to drift into periods of indifference and slackness when doing what might otherwise be excellent work. A falling off, a slackening even occasionally, may cause those in authority to hesitate to give him promotion and added responsibility.

In these modern days of keenest competition in all fields, it is necessary for one to be at his best always, to be good at his job all the time. He cannot afford to slacken, to ease up, even occasionally, because nowadays real jobs are held down by those men who are most anxious and willing to make the most of them.

To run hopefully too, means much. Robert Louis Stevenson wrote this once saying it was better "to travel hopefully than to arrive". This sentence, whichever way he meant it, seems to sum up the joy that should be felt in our work; the interest one has in attempting to accomplish something worth while is always worth the effort. By doing this, however out of breath one may get in the race, shows that the runner has something left in him for coming down the home stretch; he breathes the very spirit of optimism.

You gentlemen who are remaining, who will be back here next year, will also be running your races, lap after lap. To you, who will be heartily welcomed back next September, we all wish best success going around your new courses. They may be more restricted, shorter perhaps, than the new courses that will have to be run by your comrades who are now leaving you to go out into their new world, but yours will nevertheless be just as interesting, although probably harder than those during the year now passing. Keep in mind, however, that in running them you will be preparing for the longer and

more diverse races awaiting you after you leave your University.

To all of you, the best success in your examinations next month and may you all have interesting work awaiting for the coming summer. May the first year of work outside, which you of the graduating class have before you, start you off on your new race with the best of good fortune.

Yours faithfully,

C. H. MITCHELL,

Dean.

PRESIDENT'S MESSAGE

(Continued from Page 1)

inclined to criticise things and the way in which they have been done.

The retiring executive have no qualms this year about relinquishing their duties into the hands of the on-coming crew, who are to navigate this coming session. With capable leadership, under Syd Dunn and Doug Turner, and with lots of able-bodied assistance, activity should flourish, our mistakes helping to make things go better.

Being given the opportunity to serve as President of the Engineering Society has been a real milestone in my life. The privileges and experiences which that opportunity has entailed have made School this past year a somewhat hectic but most enjoyable way of getting an education.

While a few regrets are certainly in order, it is with abundant hope and ambition that we depart from this scene of labour, leaving behind well wishes for every undergraduate and for the Engineering Society, ever-growing success.

PAUL C. ANDERSON.

HOW TO STUDY STUFF AND PASS EXAMS

Suddenly realize that the timetables are out and you'd damme well better go like hell in the next two weeks or else! Promise self to start hard work to-morrow after just a little celebration with the boys (fur ish always fair weather when good fellasgettogether), and besides all work and no play is not so okay.

Next day feel rotten and decide that you'd better catch up on your sleep in order to work more "effectively".

Burn home next day, full of fire and beans and determined to really burn into it tonight. Read paper before supper, and then settle down to a good meal, since at all costs you must keep up your health. Decide that you'd better relax your nerves before the long grind and so listen to Clam Chowder on the B.O. Program for half an hour.

Finally club self into submission and drag self upstairs and sit down at desk. Sharpen pencils, fill pen, arrange books in neat piles, and decide you'd better have a timetable in order to study more effectively. Draw up timetable showing 6 hours' work per day, and starting with the hard subjects since it would be better to get those off your chest. Spend $\frac{3}{4}$ of an hour drawing up neat timetable and pin on wall in prominent position just above desk.

After admiring your own genius at drawing up timetable, wonder what Joe is doing and so call Joe up on phone. Joe also is worried and groans about how little work he has done, and wonders how he's going to get a job for the summer. After chewing the fat with Joe for $\frac{1}{2}$ hour (discussing plans to raise merry H in Buffalo after the exams), remark in a serious tone that "I gotta get back to work now, tempus fudgets, ya know." Tear back upstairs and seize maths notes determined to really tear the maths exam into little bits. Read first page of notes and then start counting pages to see how much more of this ruddy drivel there is to do. Results a bit discouraging, but struggle manfully onward to second page, and then discover that you still haven't got the notes for those two lectures you skipped away back in the beginning to visit the Casino. Decide to leave the subject since you weren't getting anywhere anyhow and make mental note to get Bill's notes, to-morrow. Decide that you'll try something easy for a change and so after revising timetable start in half-heartedly on Descriptive Geometry.

Finally decide that Descriptive Geometry isn't so bad and perhaps you'd better not study it until the night before the exam to prevent yourself from getting stale.

Relieve nervous tension, before retiring, by listening to "Swing and Swoop with Alley Oop".

Appear at School next day, like a cloud of gloom, muttering about how close the exams are, how little work you've done, and in general making life miserable for everybody.

This process repeats itself during the succeeding days, with major revisions of the time table occurring every 24 hours until it is finally scrapped.

The night before the exam, compromise by studying only half of the subject and hoping like the devil (if you get caught short you can always scrawl "No more time" across your last page).

Anyhow, who wants to graduate, and think of the swell time you're gonna have at Skule next year! Hail and farewell.

ALLEY CAT.